

## COKING TENDENCY OF OIL



K50100 Panel Coker

### Test Method

Determines the tendency of finished oils to form coke when in contact with surfaces at elevated temperatures for short periods. A sample of oil is mechanically splashed against an aluminum test panel at elevated temperature. After a specified test period, the amount of coke deposited on the panel is determined by weight.

### Panel Coking Test Apparatus

- Conforms to FTM 791-3462 specifications
- Suitable as a screening test prior to performing engine tests

Digitally controlled panel coking apparatus for finished lubricating oils, consisting of mechanical splasher, splash chamber and sample oil reservoir. Test panel temperature and oil sump temperature are individually controlled by separate heaters with digital-indicating controllers. Mechanical splasher has a variable speed 0-1800rpm drive motor with digital indicating control. A high accuracy variable area flowmeter permits introduction of a corrosive acidic atmosphere to increase the severity of the test. Equipped with a digital countdown timer. Hinged safety cover has a port for fume removal and a safety interlock switch that interrupts power to the drive motor when the cover is lifted.

### Specifications

Conforms to the specifications of:  
FTM 791-3462

Maximum Temperature:

Test Panel: 400°C (752°F)

Sample Oil: 210°C (410°F)

Temperature Control: Separate controls for test panel and oil temperature, with digital °C/°F digital setpoint and display

Splashing Rate: 0-1800rpm, with digital display

Timer: 0-99.9 hr variable countdown

Flowmeter Range: 0.2-1.0L/hr

Oil Reservoir Capacity: 0.35 liter

Electrical Requirements:  $\text{C}$   $\text{E}$

115V 60Hz, 8A

220-240V 50/60Hz, 5A

### Dimensions lwxh,in.(cm)

Test Unit: 32x18x21 (81x46x53)

Control Cabinet:

18x12x18 (46x30x46)

Net Weight:

Test Unit: 50 lbs (22.7kg)

Control Cabinet: 25 lbs (11.3kg)

### Shipping Information

Shipping Weight: 135 lbs (61.2kg)

Dimensions: 26.7 Cu. ft.



Digital Flowmeter option is available for this unit.



Software compatible, inquire with Customer Service.

### Ordering Information

Catalog No.		Order Qty
K50100	Panel Coking Test Apparatus, 115V 60Hz	
K50110	Panel Coking Test Apparatus, with cyclic timer 115V 60Hz	
K50119	Panel Coking Test Apparatus, with cyclic timer 220-240V 50/60Hz	
K50190	Panel Coking Test Apparatus, 220-240V 50/60Hz	
<b>Accessories</b>		
K50101	Aluminum Test Panel	1
K50102	Stainless Steel Test Panel (Type 321)	1